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Mar 29, 2000

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TITLE: New fusion protein for immunotherapy of venereal disease and cancer - is a heat shock protein of Mycobacterium bovis

INVENTOR: ZHOU, G

PRIORITY-DATA: 1998CN-0112264 (September 24, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
CN 1248631 A	March 29, 2000		000	C12P021/00

INT-CL (IPC): C07 K 19/00; C12 P 21/00

ABSTRACTED-PUB-NO: CN 1248631A

BASIC-ABSTRACT:

NOVELTY - A heat shock protein of mycobacterium bovis var. BCG (M. Bovis BCG) which is fused with a tumor specific antigen, especially human papillomavirus (HPV) to form a fusion protein, is new.

DETAILED DESCRIPTION - The fusion protein can be expressed in colibacillus, microzyme and plants.

USE - The fusion protein is used to make immunostimulant injections, as it can produce specific cell immune and humoral immune responses. It possesses prophylaxis and therapeutic capacity for preventing human papillomavirus (HPV) infection, but also can be used for immunotherapy of pointed condyloma, tumor and cancer caused by HPV.

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EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0